



Electric Tankless Water Heater: Large-Range Models & Ratings “Multiple Applications”

MODEL	KW	VOLTS	BREAKER (AMPS)	CABLE REQUIRED (AWG)	CONNECTION
ECO 36	36	240	4x40 Double Pole	4 sets 8 AWG	3/4" NPT



Temperature Rise

This Smart Technology electric tankless water heater is configured for cold climates where incoming water temperature is 37°F and above. The ECO 36 is EcoSmart's most powerful unit, capable of heating over 8 gallons per minute, which is the equivalent of five shower heads (with a 7.5 GPM flow) and one sink with an inlet water temperature of 77°F in warmer climates such as Florida and Texas. Two showers and a sink can be run simultaneously where the incoming water temperature is 37°F in colder climates such as New York or New England. These models come with a digital temperature control that allows you to set your temperature in increments of 1°. Below is a chart showing the flow rate capacity of each model, measured in gallons per minute, depending on inlet water temperature and a set output temperature of 105° F.

Applications

Water-Saver Shower Head	1.5 GPM
Standard Shower Head	2.0 GPM
Standard Hand Sink	0.5 GPM
Kitchen Sink	1 to 2 GPM
Bath Tub	≥ 4 GPM
Dishwasher	1 to 2 GPM
Washing Machine	1 to 1.5 GPM

*Average Gallons Per Minute (GPM)
based on 2010 Plumbing Standards*

INLET TEMP	37°F	42°F	47°F	52°F	57°F	62°F	67°F	72°F	77°F
ECO 36	3.6 GPM	3.9 GPM	4.2 GPM	4.6 GPM	5.1 GPM	5.7 GPM	6.5 GPM	7.5 GPM	8.8 GPM

Gallons Per Minute (GPM) based on a water temperature of 105°F

Product Attributes

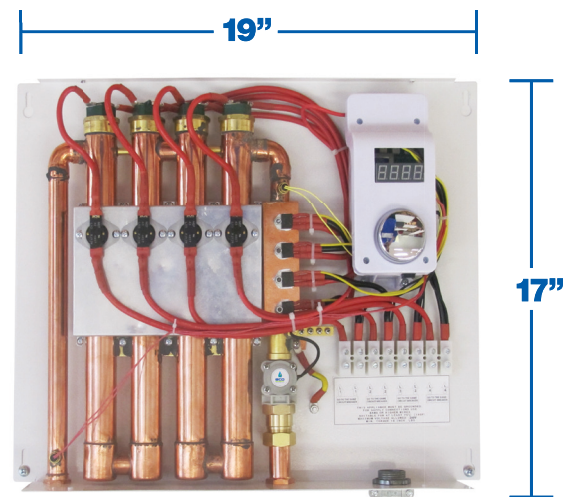
- On-demand, consistent and endless hot water
- Compact, durable and stylish
- Digital temperature control in increments of 1°F ranging from 80°F to 140°F
- Dimensions: 17" x 19" x 3.75"
- 99.8% energy efficient
- Copper heating elements with brass top increase durability and are threaded for easy replacement
- Simple Installation: 3/4" NPT water connectors for easy flex hose installation
- Limited lifetime warranty for residential use when registered properly and installed within 30 days of purchase by a licensed professional
- Solid, hand-welded exchanger



Heating Element



Dimensions & Specifications



ECO 36

Suggested Specifications

EcoSmart Model: ECO 36

kW: _____

Volts: _____

GPM: _____

Temperature Rise: _____

Units shall have enameled steel rated cover. Element shall be standard Emerson (or equal manufacturer) copper heating elements with threaded brass top. Unit shall have a replaceable mesh filter in the inlet. Heater shall be fitted with 3/4" plumbing connections for easy flex hose connection to eliminate need for soldering. Heater shall be installed upright with water connections on bottom only. Hot water storage tank prohibited.

ETL Listed: 4000856
U.S. Patent #: 7,945,146

Operating Pressure

Min.	Max.
25 PSI	150 PSI

Note: Flow Activated 0.25 GPM

SPECIFICATION	ECO 36
Voltage	240
Phase	Single
kW	36 kW
Element	4x9 kW @ 240 V
Amperage Draw	150
Required Breaker	4x40 Double Pole
Required Wire	4 sets 8 AWG
Weight	17.4 lbs.
Heat Exchanger	Copper
Protection	Thermal Auto
Energy Efficiency	99.8%
Certification	ETL Listed to UL 499 and CSA
Warranty	Limited Lifetime

EcoSmart Submittal

Engineer/Architect: _____

Job Name/Customer: _____

Location: _____

Contractor: _____

Representative: _____

HEATER SPECIFICATIONS: **Quantity** **kW** **Voltage** **AMPS**

Model #: ECO _____



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